

Converting Colors

$Yxy(42.1206, 0.2620, 0.2186)$

Have a look what the booklet for
Yxy(42.1206, 0.2620, 0.2186)
contains.

Yxy(42.1128, 0.2622, 0.2185)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.1128, 0.2622, 0.2185)

Conversions

Conversions Part 1

Format	Color
Hex	BA9EFF
RGB	186, 158, 255
RGB Percent	73%, 62%, 100%
CMY	0.2704, 0.3804, 0.0000
CMYK	0.27, 0.38, 0.00, 0.00
HSL	257°, 100%, 81%
HSV	257°, 38%, 100%
XYZ	50.5354, 42.1128, 100.0878
YIQ	177.4300, -14.4490, 36.1030

Conversions

Conversions Part 2

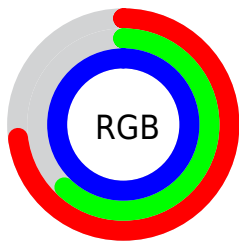
Format	Color
R_{YB}	186, 158, 255
Decimal	12230399
CIE _{Lab}	70.95, 30.28, -44.55
CIE _{LCh}	71, 53.870, 304.206
Yxy	42.1128, 0.2622, 0.2185
Android (android.graphics.Color)	4290420479 (0xFFBA9EFF)
YUV	177.4300, 38.2420, 7.5159
Hunter-Lab	64.8944, 25.4386, -46.0180

Details

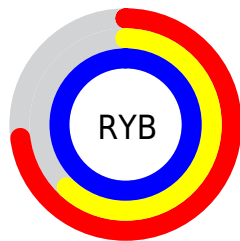
The Yxy color **42.1128, 0.2622, 0.2185** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **90.3105, 0.3508, 0.4305**, and the grayscale version is **44.0066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0416, 0.3069, 0.2871**, and **19.2106, 0.2477, 0.1926** is the 20% darker color. If you saturate the color by 10%, you get **32.1702, 0.2453, 0.1857**, and if you desaturate by 10%, it is **54.1489, 0.2778, 0.2506**.

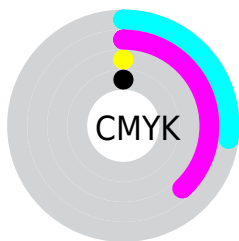
Distribution



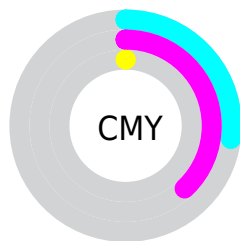
- Red (73%)
- Green (62%)
- Blue (100%)



- Red (73%)
- Yellow (62%)
- Blue (100%)



- Cyan (27%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1128, 0.2622, 0.2185 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 42.1128, 0.2622, 0.2185 by changing the saturation by 10% instead.

 42.1128, 0.2622,
0.2185

 42.1128, 0.2622,
0.2185


354.9503, 0.2882,
0.2698

 29.1896, 0.2557,
0.2070


 78.3703, 0.2717,
0.2362

 19.2243, 0.2475,
0.1930


 102.4734, 0.2752,
0.2431

 11.8325, 0.2367,
0.1757


131.0720, 0.2782,
0.2490

 6.6297, 0.2221,
0.1538

164.5504, 0.2808,
0.2542

 3.2316, 0.2017,
0.1259

203.2931, 0.2830,
0.2588

 1.2538, 0.1718,
0.0902

247.6843, 0.2849,

 0.1050, 0.1309,

0.2629

0.0164

298.1086, 0.2866,
0.2665

0.0000, 0.0000,
0.0000

42.1128, 0.2622,
0.2185

42.1128, 0.2622,
0.2185

32.1702, 0.2453,
0.1857

54.1489, 0.2778,
0.2506

24.1964, 0.2277,
0.1537

68.3902, 0.2918,
0.2808

18.0557, 0.2102,
0.1245

84.9418, 0.3041,
0.3086

13.5933, 0.1940,
0.1001

100.0000, 0.3127,
0.3290

10.6282, 0.1800,
0.0822

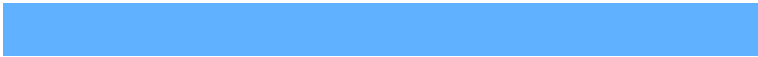
■ 8.9178, 0.1691,
0.0712

■ 8.6654, 0.1672,
0.0695

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.1128, 0.2082, 0.2123



42.1128, 0.2622, 0.2185



42.1128, 0.3379, 0.2467

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.1128, 0.2622, 0.2185



42.1128, 0.4603, 0.4037



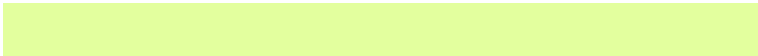
42.1128, 0.2153, 0.3604

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42.1128, 0.2622, 0.2185



90.3105, 0.3508, 0.4305

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



42.1128, 0.2750, 0.4384



42.1128, 0.2622, 0.2185



42.1128, 0.4169, 0.4528

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.1128, 0.2622, 0.2185



42.1128, 0.4615, 0.3467



42.1128, 0.3488, 0.4726



42.1128, 0.1836, 0.2824

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.1128, 0.2622, 0.2185



42.1128, 0.3909, 0.2754



42.1128, 0.3488, 0.4726



42.1128, 0.2325, 0.3887

Sweetspot

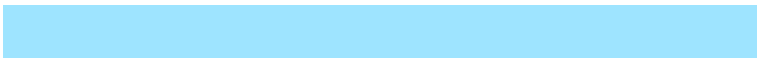
The Sweet Spot groups the original color and five complimentary colors.



42.1132, 0.2622, 0.2185



79.8034, 0.3006, 0.3007



69.7069, 0.2550, 0.2974



16.5916, 0.2990, 0.2970



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.1132, 0.2622, 0.2185



34.0386, 0.2488, 0.1924



49.1583, 0.2999, 0.2296



17.6321, 0.3024, 0.3047



4.5934, 0.1687, 0.0703



0.5001, 0.1803, 0.0767

Inverse Universe

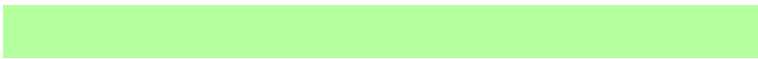
The Inverse Universe completely reimagines the original color for something new.



51.2523, 0.3408, 0.2594



44.5758, 0.3487, 0.2454



83.5726, 0.3196, 0.4413



18.2056, 0.3183, 0.3123



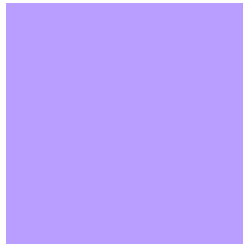
12.8849, 0.4108, 0.2037



1.2735, 0.3981, 0.1967

Previews

White Background



This preview shows how the Yxy color 42.1128, 0.2622, 0.2185 looks on a white background.

Color Contrast Check

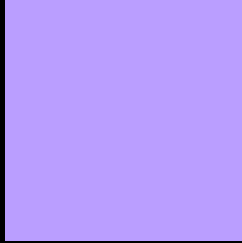
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 42.1128, 0.2622, 0.2185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

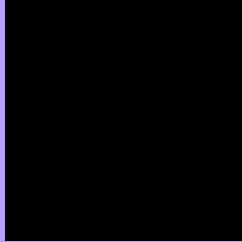
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1128, 0.2622, 0.2185

Background



This preview shows how black text looks on a background with the Yxy color 42.1128, 0.2622, 0.2185.



This preview shows how white text looks on a background with the Yxy color 42.1128, 0.2622, 0.2185.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.1128, 0.2622, 0.2185

Protanopia

42.3656, 0.2367, 0.2264

Deuteranopia

42.2841, 0.2366, 0.2301



Tritanopia

41.9345, 0.3022, 0.3102

Trichromacy



Original Color

42.1128, 0.2622, 0.2185

Protanomaly

41.9660, 0.2451, 0.2227

Deuteranomaly

41.9984, 0.2451, 0.2255

Tritanomaly

41.8056, 0.2869, 0.2730

Monochromacy



Original Color

42.1128, 0.2622, 0.2185

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

42.8605, 0.2933, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1128, 0.2622, 0.2185 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(186, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 158, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(186, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.1128, 0.2622, 0.2185 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 158, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(186, 158, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(186, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 158,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1128, 0.2622, 0.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 158, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(186,  
158, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor